APPENDIX G

PREFILLING INSPECTION TEAM RECOMMENDATIONS

First Periodic Inspection-Inspection Team Recommendations

The first inspection of Lost Creek Project, under the authority of Engineer Regulation 1110-2-100, Periodic Inspection and Continuing Evaluation of Completed Civil Works Structures, was conducted on 19 and 20 July 1976. Lost Creek Dam, outlet works, spillway and powerhouse were found in satisfactory condition and are considered to be ready for operation. This was the last formal field review and check of the project before the initial pool raising and was intended to disclose any deficiencies that would require remedial action before lowering of stoplogs. The July 1976 inspection will be followed by an inspection when full pool is reached.

Inspection team members agreed, during the exit interview, that certain recommendations by the team are to be completed prior to the initial pool filling and a time schedule or study be established for the remaining items. A listing of all recommendations, including responsible organizations and when items are to be completed follows.

Ref. No.	Structure	Item Item to Be Completed by 1 Oct 76	Responsible Organization
1	General	A Reservoir Regulation Manual for the project is needed before operation.	Planning Br
2	Embankment Dam	Initial Filling Instrumentation Reading Schedule. The instrumentation reading schedule is to be as followed as itemized in Appendix B.	Project & District F&M
3	Needle Rock Slide	Monitoring schedule and slide contingency plan.	F&M
		Items to be completed before Raising of Pool	
4	General	Crack survey is to be made of all principal concrete structures. Spillway, spillway chute, spillway trunnion anchorage area, intake tower, regulating outlet, powerhouse, etc.	Project

Ref No.	Structure	Item	Responsible Organization
5	General	Seepage survey downstream of dam. Flow from all drains and seeps and wet spots on abutment slopes should be recorded.	Project & F&M
6	General	A survey should be made of natural flow conditions downstream of dam from gullies, creeks, etc., during dry and high precipitation periods. This will be used as a reference during pool raising and after attaining pool head.	Project & F&M
7	General	Complete general cleanup of project, e.g., remove waste concrete invert of regulating outlet chute.	Project
8	Intake Tower	A seepage report is to be made of the intake tower dry well during the initial filling.	Project
9	Regulating Outlet	Vug holes in floor downstream of the steel liner are to be patched prior to R.O. operation.	Project
10	Regulating Outlet	Leakage of all contraction joints are to be documented prior to filling and after attaining pool head.	Project
11	Regulating Outlet	R.O. bulkhead slot. The surface downstream of the slot should be inspected for offsets not meeting specifications. The surface should be corrected by filling low areas and/or grinding down high points.	Project
12	Regulating Outlet	Nuts fastening guides for water control gates should be checked and tightened to support the guides where necessary. Open spaces behind the guides should be grouted as protection against corrosion and to provide shear resistance to the guides.	Project
13	Regulating Outlet Chute	All joints should be checked for humping and repaired as necessary.	Project
14	Embankment Dam	Installation of piezometers. Six piezometers are to be installed, one on each abutment, two on the right abutment slope, one in the valley floor at the toe of the left abutment and one on the left bank terrace in the area where the cutoff trench is deepest.	District F&M personnel coordinate w/Project

Ref. No.	Structure	Item	Responsible Organization
15	Intake Tower	A tiltmeter should be installed on the intake tower deck.	Structures Sec
		Items to be Completed Before 1 July 1977	
16	General	Fence survey of entire project. Safety fencing is to be installed where determined necessary. (Slopes of spillway chute are presently unprotected.)	Design Branch
17	General	Complete project documents such as construction history, concrete, foundation reports.	Project
18	Regulating Outlet	R.O. contraction joints should be marked for easy identification during inspections	Project
19	Spillway Chute	The plunge basin of the end of the spillway chute is a potential hazard area. A study should be made or methods to eliminate the hazard area and then correct as necessary.	District Design Branch Personnel
20	Spillway Chute	Shotcreting is required to cover and retain closely fractured rock on the left wall of the spillway channel. To be done at same time as Peyton Bridge.	District F&M Personnel
21	Peyton Bridge	The shotcrete protection on the soil interbed below the south abutment of Peyton Bridge is to be extended.	F&M Branch